

ABSTRACT

Methods of bonding glass and silicon-containing articles are disclosed. Bonding is achieved without use of adhesives or high temperature fusion. A wide variety of glass and silicon-containing articles may be bonded by the methods of the invention.

1. A method of bonding a glass article to a silicon-containing article, comprising the steps of: (a) providing a glass article and a silicon-containing article; (b) heating the glass article and the silicon-containing article to a temperature above the glass transition temperature of the glass article; (c) pressing the glass article and the silicon-containing article together; and (d) cooling the glass article and the silicon-containing article to a temperature below the glass transition temperature of the glass article.